***COMPLETE IN NOTEBOOK! COPY ALL FIGURES!***

CW42/HW42: Perimeter in the Coordinate Plane

**Geometry  
Due: Tuesday, December 6th   
Due**

**READ ALL DIRECTIONS! Failure to show** ALL WORK **and follow** all directions COMPLETELY **will result in LaSalle.**

|  |  |
| --- | --- |
| You will be able to find the perimeter of shapes on a coordinate grid. | |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Determine the side lengths * Add up all sides of the shape * Examine your answer: Does it answer the question? Does it make sense? Include units? | |
| 1. Triangle ABC has vertices at A(1,-1), B(4,3), and C(5,-3). Find the perimeter of triangle ABC. | 1. Quadrilateral ABCD has vertices A(-3,0), B(2,4), C(3,1), and D(-4,-3). Find the perimeter of ABCD. |
| 1. Find the perimeter of the triangle ABC with vertices A(-3,1), B(1,3), and C(2,-4). | 1. Find the perimeter of the quadrilateral HUIR with vertices H(-5,-2), U(-4,3), I(-2,3), and R(0,-1). |
| 1. Find the perimeter of the quadrilateral KNDF with vertices K(0,-1), N(-1,-4), D(-3,-2), and F(-2,1). | 1. Find the perimeter of triangle ULF with vertices U(-3,0), L(-2,4), and F(-1,1). |

***COMPLETE IN NOTEBOOK! COPY ALL FIGURES!***

CW42/HW42: Perimeter in the Coordinate Plane

**Geometry  
Due: Tuesday, December 6th   
Due**

**READ ALL DIRECTIONS! Failure to show** ALL WORK **and follow** all directions COMPLETELY **will result in LaSalle.**

|  |  |
| --- | --- |
| You will be able to find the perimeter of shapes on a coordinate grid. | |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Determine the side lengths * Add up all sides of the shape * Examine your answer: Does it answer the question? Does it make sense? Include units? | |
| 1. Triangle ABC has vertices at A(1,-1), B(4,3), and C(5,-3). Find the perimeter of triangle ABC. | 1. Quadrilateral ABCD has vertices A(-3,0), B(2,4), C(3,1), and D(-4,-3). Find the perimeter of ABCD. |
| 1. Find the perimeter of the triangle ABC with vertices A(-3,1), B(1,3), and C(2,-4). | 1. Find the perimeter of the quadrilateral HUIR with vertices H(-5,-2), U(-4,3), I(-2,3), and R(0,-1). |
| 1. Find the perimeter of the quadrilateral KNDF with vertices K(0,-1), N(-1,-4), D(-3,-2), and F(-2,1). | 1. Find the perimeter of triangle ULF with vertices U(-3,0), L(-2,4), and F(-1,1). |

|  |
| --- |
| You will be able to write the equation of a line that describes each side of your shape. |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Find the slope of each side * Input the given values for the correct unknowns * Solve or simplify * Write an equation in the correct form * Examine your answer: Does it answer the question? Does it make sense? Include units if needed? |
| Directions: Go back through questions **1-6** and write an equation for each side of the shape. Use the criteria for success above to check your work! Complete these problems in your notebook. |

|  |
| --- |
| You will be able to write the equation of a line that describes each side of your shape. |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Find the slope of each side * Input the given values for the correct unknowns * Solve or simplify * Write an equation in the correct form * Examine your answer: Does it answer the question? Does it make sense? Include units if needed? |
| Directions: Go back through questions **1-6** and write an equation for each side of the shape. Use the criteria for success above to check your work! Complete these problems in your notebook. |